

Morbidity and Mortality

Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER MEIrose 4-5131

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ATLANTA 22, GEORGIA

Vol. 11, No. 35

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED SEPTEMBER 1, 1962

POLIOMYELITIS - A total of 34 cases of poliomyelitis (29 paralytic) was reported for the week ending September 1, 1962. This marks a sharp decline from the 43 cases (37 paralytic) noted during the previous week and remains well below the totals for the comparable week in 1961 which showed 58 cases of poliomyelitis, 35 paralytic.

Sixteen States reported cases this week with eight States submitting only single cases. Texas accounted for 5 cases, 3 of which were paralytic, while California reported 5 paralytic cases and Illinois and Alabama 4 each.

In California four of the five cases noted were from Los Angeles County, bringing that county's 1962 total to 16 cases. Within the county, there have now been 5

cases from Pasadena. Type I poliovirus has been recovered from each of these patients. Three of the five patients had onset of illness during mid-August and all of the patients reside within a geographic sub-segment of the community. The Pasadena Health Department and the California State Department of Health are planning to administer Type I oral polio vaccine from the CDC epidemic reserve to the residents of the area involved.

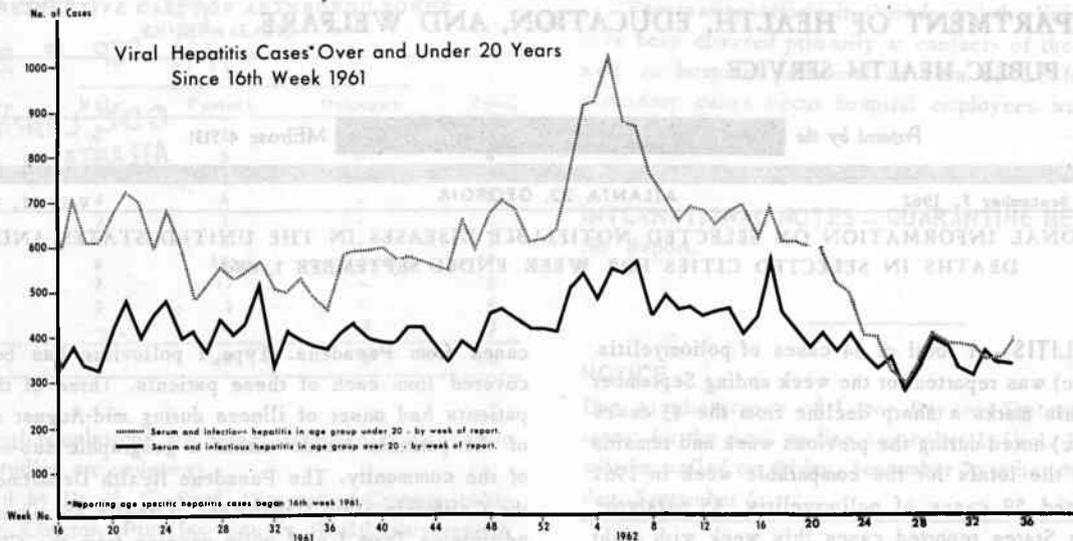
In Alabama all four reported cases this week were from Mobile County which had previously noted 3 paralytic cases. Type I polio virus was recovered from the early cases and Type I oral polio vaccine from the CDC epidemic reserve was administered under the auspices of

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	35th Week			Cumulative		
	Ended September 1, 1962	Ended September 2, 1961	Median 1957 - 1961	First 1962	35 weeks 1961	Median 1957 - 1961
Aseptic meningitis.....	94	204	---	1,346	1,726	---
Brucellosis.....	6	11	10	284	413	540
Diphtheria.....	4	8	11	255	373	417
Encephalitis, infectious.....	68	37	55	1,106	1,067	1,169
Hepatitis, infectious and serum...	785	1,002	323	38,382	52,701	14,992
Measles.....	781	871	994	441,136	385,628	394,271
Meningococcal infections.....	26	30	21	1,498	1,515	1,614
Poliomyelitis, total.....	34	58	276	464	617	2,225
Paralytic.....	29	35	77	365	417	1,052
Nonparalytic.....	5	18	144	72	134	820
Unspecified.....	-	5	55	27	66	353
Streptococcal sore throat and Scarlet fever.....	3,041	2,718	---	226,366	233,691	---
Tetanus.....	6	---	---	171	---	---
Tularemia.....	7	---	---	206	---	---
Typhoid fever.....	19	30	27	397	510	520
Typhus fever, tick-borne, (Rocky Mountain spotted).....	5	---	---	170	---	---
Rabies in Animals.....	38	62	52	2,735	2,397	2,634

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Psittacosis:
Botulism:	Rabies in Man:
Malaria:	Smallpox:
Plague:	Typhus, murine:



the State and County Health officials to over 250,000 persons on September 5 and 6.

The cases reported from Illinois largely represent delayed reports. No epidemic concentration has been noted in this State.

The total number of reported cases of poliomyelitis thus far this year remains well below the totals recorded for any previous year. The number of paralytic cases also remains at a record low level. The cumulative totals through the 35th week of 1962 and for the previous four years are presented in the tabulation below:

POLIO (CUMULATED WEEKLY) THROUGH THE 35TH WEEK (1958 - 1962)

	1962	1961	1960	1959	1958
Paralytic	365	417	1,090	2,828	1,108
Total	464	617	1,582	4,445	2,281

HEPATITIS - Reported cases of viral hepatitis totaled 785 for the week ending September 1. There has been little change in the national incidence over the last 6 weeks.

Nationally this year, 41.7 percent of cases have been in persons 20 years of age or over. Three States only have shown consistently higher proportions in this age group. These are Connecticut with 62.3 percent of cases in the 20 and over age group, California with 58.6 percent, and Hawaii with 75.6 percent. No explanation for the unusually large proportion of adult cases in these States is presently available.

Cases by week in persons under 20 years of age and 20 years or over is shown in the accompanying graph. A marked seasonal fluctuation in cases is seen among those under 20 years of age, the low week, July 7, repre-

senting but 29.0 percent of total cases reported during the highest week, February 4. Among those 20 and over, this seasonal variation is less notable. The low week, July 7, represents 50.4 percent of the total cases reported during the highest week, February 17.

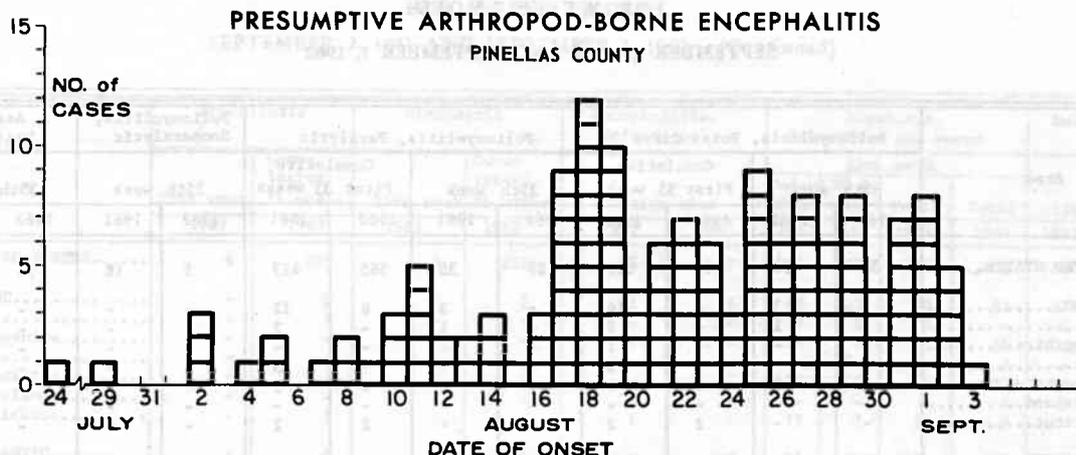
EPIDEMIOLOGICAL REPORT

Arthropod-Borne Encephalitis - Florida

An outbreak of arbovirus encephalitis in Pinellas and surrounding counties in Florida began during the fourth week of July. Since the onset of the first case on July 24, 180 cases of presumptive arthropod-borne encephalitis have been reported and are under investigation. One hundred and fifty-six cases have occurred in Pinellas County. Ten cases are being investigated in persons not from Pinellas County but who are known to have been in the county prior to the onset of their illness. Two of these are from Maryland and New York State, while the remainder are from other Florida counties, including Hillsborough, Lake, Citrus, Suwanee, Hendry, Palm Beach, and Alachua. Fourteen cases in persons not known to have been in Pinellas County have been reported from Sarasota, Manatee, Orange, Sumter, Nassau, Hendry, Escambia, and Marion Counties.

The epidemic curve for 150 of the cases with known onsets in Pinellas County is shown, p.275. Beginning in mid-August there was a fairly rapid build-up of cases to a level which has persisted for the last three weeks. (Included are cases reported as of September 5).

There have been 12 deaths in patients within Pinellas County. Autopsy findings in four cases were consistent with viral encephalitis. An elevated HAI titer to Group B arbovirus was found in one of the patients who died. Elevated HAI antibody titers to Group B arbovirus were



found in 33 of 70 acute sera tested from Pinellas County patients. Two cases in which acute and convalescent blood sera have been obtained showed rising HAI antibody titers to Group B arbovirus.

Three deaths in individuals having presumptive clinical diagnosis of acute encephalitis have occurred outside of Pinellas County, one each in Orange, Alachua, and Lake Counties. The diagnosis was confirmed by autopsy in the Orange County and Alachua County cases, both of which had history of visiting in Pinellas County

prior to the onset of their illness. An acute sera on the Lake County case showed an elevated HAI titer to Group B arbovirus. Five of the eight cases of presumptive arthropod-borne encephalitis reported from Sarasota County have demonstrated elevated HAI titers to Group B arbovirus.

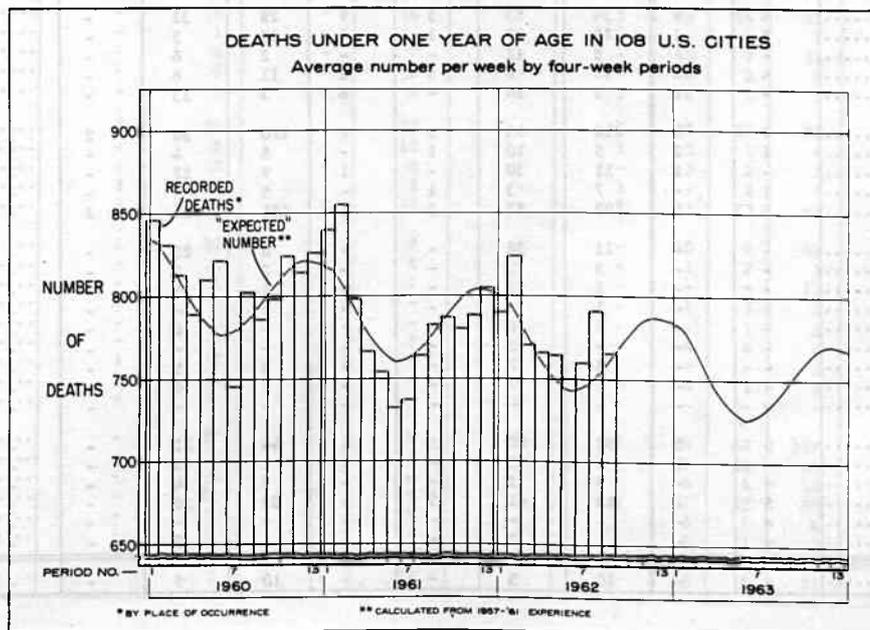
The age distribution for cases occurring in Pinellas County and age specific attack rates are shown in the table (p. 280). Almost two-thirds of the cases have been in persons 50 years of age and over and attack rates are

(Continued on page 280)

INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending September 1 was 765 as compared with an expected 761 weekly average.

	WEEK ENDING				4 Week Total	Weekly Average
	8/11	8/18	8/25	9/1		
Observed	764	746	820	731	3,061	765
Expected	757	760	762	765	3,044	761
Excess	7	-14	58	-34	17	4



(See Table, page 279)

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
SEPTEMBER 2, 1961 AND SEPTEMBER 1, 1962

Area	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic				Poliomyelitis, Nonparalytic		Aseptic Meningitis	
	35th week		Cumulative First 35 weeks		35th week		Cumulative First 35 weeks		35th week		35th week	
	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961
UNITED STATES.....	34	58	464	617	29	35	365	417	5	18	94	204
NEW ENGLAND.....	-	3	6	14	-	3	6	12	-	-	-	9
Maine.....	-	1	-	2	-	1	-	2	-	-	-	1
New Hampshire.....	-	-	-	1	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	3	-	-	-	3	-	-	-	1
Massachusetts.....	-	2	4	6	-	2	4	5	-	-	-	4
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	3
Connecticut.....	-	-	2	2	-	-	2	2	-	-	-	-
MIDDLE ATLANTIC.....	1	24	49	108	1	13	33	83	-	7	6	4
New York.....	1	20	41	71	1	10	26	52	-	6	4	2
New Jersey.....	-	3	4	23	-	2	4	20	-	1	-	-
Pennsylvania.....	-	1	4	14	-	1	3	11	-	-	2	2
EAST NORTH CENTRAL.....	9	9	44	64	8	6	33	38	1	2	15	49
Ohio.....	3	1	12	19	3	-	11	10	-	-	5	9
Indiana.....	-	1	5	6	-	1	4	5	-	-	-	1
Illinois.....	5	1	19	17	4	-	12	7	1	1	3	18
Michigan.....	1	2	6	12	1	1	6	10	-	1	6	18
Wisconsin.....	-	4	2	10	-	4	-	6	-	-	1	3
WEST NORTH CENTRAL.....	4	5	22	36	2	1	12	16	2	4	11	81
Minnesota.....	1	-	6	4	1	-	6	4	-	-	8	8
Iowa.....	-	1	5	10	-	-	2	4	-	1	-	73
Missouri.....	2	2	7	10	-	-	2	2	2	2	-	-
North Dakota.....	-	-	3	1	-	-	1	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	1	-	1	4	1	-	1	3	-	-	-	-
Kansas.....	-	2	-	7	-	1	-	3	-	1	3	-
SOUTH ATLANTIC.....	3	3	32	120	3	-	28	92	-	3	7	2
Delaware.....	-	-	-	2	-	-	-	1	-	-	-	-
Maryland.....	-	-	-	21	-	-	-	21	-	-	1	-
District of Columbia..	-	-	1	1	-	-	-	1	-	-	-	-
Virginia.....	1	-	8	7	1	-	8	7	-	-	2	-
West Virginia.....	1	-	4	14	1	-	4	9	-	-	1	-
North Carolina.....	-	3	3	11	-	-	2	6	-	3	-	-
South Carolina.....	1	-	4	11	1	-	4	9	-	-	1	-
Georgia.....	-	-	6	27	-	-	5	20	-	-	-	1
Florida.....	-	-	6	26	-	-	5	18	-	-	2	1
EAST SOUTH CENTRAL.....	5	9	34	53	5	9	29	32	-	-	1	17
Kentucky.....	1	1	15	19	1	1	13	5	-	-	1	3
Tennessee.....	-	-	5	12	-	-	2	6	-	-	-	-
Alabama.....	4	2	11	8	4	2	11	8	-	-	-	1
Mississippi.....	-	6	3	14	-	6	3	13	-	-	-	13
WEST SOUTH CENTRAL.....	7	4	216	95	5	2	170	50	2	2	8	7
Arkansas.....	1	2	5	10	1	-	5	4	-	2	-	-
Louisiana.....	-	1	11	30	-	1	9	22	-	-	-	-
Oklahoma.....	1	-	7	3	1	-	5	-	-	-	-	2
Texas.....	5	1	193	52	3	1	151	24	2	-	8	5
MOUNTAIN.....	-	-	11	38	-	-	8	23	-	-	-	2
Montana.....	-	-	3	3	-	-	2	2	-	-	-	1
Idaho.....	-	-	2	12	-	-	1	6	-	-	-	-
Wyoming.....	-	-	1	-	-	-	1	-	-	-	-	-
Colorado.....	-	-	1	6	-	-	-	6	-	-	-	-
New Mexico.....	-	-	-	3	-	-	-	-	-	-	-	1
Arizona.....	-	-	3	7	-	-	3	5	-	-	-	-
Utah.....	-	-	1	7	-	-	1	4	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	5	1	50	89	5	1	46	71	-	-	46	33
Washington.....	-	1	1	15	-	1	1	15	-	-	2	-
Oregon.....	-	-	5	11	-	-	5	4	-	-	1	1
California.....	5	-	43	61	5	-	39	50	-	-	43	32
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	1	2	-	-	1	2	-	-	-	-
Puerto Rico.....	-	-	10	5	-	-	10	5	-	-	-	-

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
SEPTEMBER 2, 1961 AND SEPTEMBER 1, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, Infectious		Hepatitis, Infectious and serum				Measles	
	35th week	Cumulative 35 weeks	35th week	Cumulative 35 weeks	35th week		35th week				35th week	
					1962	1961	Under 20 yr.	20 & over	Total	Total	1962	1961
	1962	1962	1962	1962	1962	1961	1962	1962	1962	1961	1962	1961
UNITED STATES.....	6	284	4	255	68	37	393	335	785	1,002	781	871
NEW ENGLAND.....	-	2	-	1	1	1	48	23	72	61	37	54
Maine.....	-	-	-	-	-	-	7	2	9	-	4	5
New Hampshire.....	-	-	-	-	-	-	-	-	1	10	3	6
Vermont.....	-	-	-	-	-	-	-	-	-	7	-	-
Massachusetts.....	-	1	-	1	-	1	29	14	43	37	18	28
Rhode Island.....	-	-	-	-	-	-	-	-	-	4	5	7
Connecticut.....	-	1	-	-	1	-	12	7	19	3	7	8
MIDDLE ATLANTIC.....	-	6	-	5	7	10	74	69	143	157	91	148
New York.....	-	2	-	3	4	9	35	42	77	74	72	103
New Jersey.....	-	1	-	1	-	-	9	9	18	42	-	21
Pennsylvania.....	-	3	-	1	3	1	30	18	48	41	19	24
EAST NORTH CENTRAL.....	1	66	-	7	9	11	58	59	130	185	245	241
Ohio.....	-	1	-	-	9	5	23	24	48	55	28	24
Indiana.....	-	5	-	3	-	-	7	1	8	26	4	25
Illinois.....	1	48	-	1	-	2	9	13	24	27	23	73
Michigan.....	-	4	-	3	-	3	18	21	39	72	109	76
Wisconsin.....	-	8	-	-	-	1	1	-	11	5	81	43
WEST NORTH CENTRAL.....	1	110	-	55	-	2	9	17	28	86	18	20
Minnesota.....	-	9	-	17	-	-	2	8	11	17	2	-
Iowa.....	1	69	-	1	-	-	-	2	3	26	10	4
Missouri.....	-	3	-	5	-	1	5	2	7	21	-	6
North Dakota.....	-	1	-	7	-	-	1	2	3	-	6	9
South Dakota.....	-	4	-	11	-	-	-	-	-	4	-	1
Nebraska.....	-	11	-	13	-	1	-	-	-	10	-	-
Kansas.....	-	13	-	1	-	-	1	3	4	8	NN	NN
SOUTH ATLANTIC.....	1	22	1	55	47	-	54	49	107	99	68	80
Delaware.....	-	-	-	-	-	-	-	1	1	-	12	-
Maryland.....	-	-	-	-	-	-	8	10	19	5	7	17
District of Columbia..	-	-	-	1	-	-	1	2	3	4	-	3
Virginia.....	1	11	1	11	3	-	8	7	15	11	13	19
West Virginia.....	-	-	-	1	-	-	4	1	8	18	10	23
North Carolina.....	-	2	-	6	-	-	14	10	24	34	-	3
South Carolina.....	-	-	-	5	-	-	1	1	2	2	-	6
Georgia.....	-	3	-	12	-	-	-	6	6	6	-	-
Florida.....	-	6	-	19	44	-	18	11	29	19	26	9
EAST SOUTH CENTRAL.....	-	14	-	16	-	3	29	14	43	148	29	52
Kentucky.....	-	1	-	-	-	-	6	3	9	36	3	4
Tennessee.....	-	6	-	7	-	-	15	8	23	50	18	42
Alabama.....	-	6	-	3	-	-	4	2	6	25	-	1
Mississippi.....	-	1	-	6	-	3	4	1	5	37	8	5
WEST SOUTH CENTRAL.....	1	25	3	97	-	5	37	27	73	57	84	101
Arkansas.....	-	5	-	11	-	2	3	1	4	5	-	-
Louisiana.....	-	5	-	8	-	-	3	2	5	2	-	-
Oklahoma.....	1	4	-	6	-	1	-	1	1	3	-	-
Texas.....	-	11	3	72	-	2	31	23	63	47	84	101
MOUNTAIN.....	2	12	-	9	1	-	10	9	42	61	60	56
Montana.....	-	1	-	6	-	-	1	2	3	-	9	-
Idaho.....	-	1	-	1	-	-	-	-	13	3	12	2
Wyoming.....	-	1	-	-	-	-	1	1	2	5	-	-
Colorado.....	-	2	-	-	-	-	-	1	6	18	14	6
New Mexico.....	-	-	-	2	-	-	4	4	8	7	NN	NN
Arizona.....	1	3	-	-	-	-	-	-	5	10	17	26
Utah.....	1	4	-	-	-	-	4	1	5	6	8	12
Nevada.....	-	-	-	-	1	-	-	-	-	12	-	10
PACIFIC.....	-	27	-	10	3	5	74	68	147	148	149	119
Washington.....	-	-	-	-	-	-	21	10	34	14	6	8
Oregon.....	-	3	-	-	-	-	8	4	12	23	44	31
California.....	-	22	-	5	3	5	37	52	90	99	61	67
Alaska.....	-	1	-	5	-	-	6	1	8	11	11	11
Hawaii.....	-	1	-	-	-	-	2	1	3	1	27	2
Puerto Rico.....	-	-	1	34	-	-	18	4	22	12	16	26

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
SEPTEMBER 2, 1961 AND SEPTEMBER 1, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	35th wk.	Cumulative 35 weeks	35th week		35th wk.	35th wk.	35th wk.	35th wk.	Cumulative 35 weeks	35th week		Cumulative 35 weeks
			1962	1961						1962	1961	
UNITED STATES.....	26	1,498	3,041	2,718	6	5	7	19	397	38	62	2,735
NEW ENGLAND.....	1	87	116	88	-	-	-	-	5	-	-	1
Maine.....	-	12	1	1	-	-	-	-	1	-	-	-
New Hampshire.....	-	3	5	2	-	-	-	-	-	-	-	-
Vermont.....	-	2	-	1	-	-	-	-	-	-	-	-
Massachusetts.....	-	36	17	14	-	-	-	-	3	-	-	1
Rhode Island.....	1	9	1	10	-	-	-	-	1	-	-	-
Connecticut.....	-	25	92	60	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	6	262	96	73	-	-	-	1	38	4	5	93
New York.....	3	118	86	54	-	-	-	-	20	3	3	64
New Jersey.....	1	72	2	5	-	-	-	-	9	-	-	1
Pennsylvania.....	2	72	8	14	-	-	-	1	9	1	2	28
EAST NORTH CENTRAL..	4	302	184	184	1	1	-	5	67	6	7	645
Ohio.....	1	90	9	9	-	1	-	1	36	1	2	324
Indiana.....	-	24	40	52	-	-	-	3	9	3	2	175
Illinois.....	2	68	40	28	1	-	-	-	13	28	2	83
Michigan.....	1	99	55	60	-	-	-	1	6	2	1	34
Wisconsin.....	-	21	40	35	-	-	-	-	3	-	-	29
WEST NORTH CENTRAL..	-	81	65	34	-	-	-	3	15	11	23	710
Minnesota.....	-	15	2	1	-	-	-	-	-	3	8	162
Iowa.....	-	10	12	12	-	-	-	1	2	1	7	279
Missouri.....	-	20	4	3	-	-	-	2	9	3	5	117
North Dakota.....	-	6	46	9	-	-	-	-	2	-	-	45
South Dakota.....	-	5	1	-	-	-	-	-	1	1	2	82
Nebraska.....	-	14	-	-	-	-	-	-	1	1	1	18
Kansas.....	-	11	-	9	-	-	-	-	-	2	-	7
SOUTH ATLANTIC.....	5	238	261	216	2	2	-	4	77	5	4	253
Delaware.....	-	32	2	-	-	-	-	1	2	-	-	-
Maryland.....	-	15	3	2	1	1	-	-	3	1	-	2
Dist. of Columbia..	-	7	-	-	-	-	-	-	6	-	-	-
Virginia.....	1	52	39	79	-	1	-	-	16	1	-	105
West Virginia.....	-	12	69	43	-	-	-	-	6	2	1	93
North Carolina.....	1	55	-	5	1	-	-	-	3	-	-	-
South Carolina.....	2	14	10	18	-	-	-	-	4	-	-	-
Georgia.....	-	9	1	-	-	-	-	2	17	-	-	6
Florida.....	1	42	137	69	-	-	-	1	20	1	3	47
EAST SOUTH CENTRAL..	1	91	741	680	2	2	1	1	35	3	4	293
Kentucky.....	-	20	17	8	1	1	-	-	6	2	4	102
Tennessee.....	1	39	674	593	1	1	1	1	14	1	-	171
Alabama.....	-	18	2	2	-	-	-	-	10	-	-	20
Mississippi.....	-	14	48	77	-	-	-	-	5	-	-	-
WEST SOUTH CENTRAL..	4	123	465	614	1	-	3	2	97	7	16	516
Arkansas.....	1	15	1	-	1	-	3	2	21	-	4	57
Louisiana.....	3	57	-	2	-	-	-	-	26	-	1	18
Oklahoma.....	-	6	-	3	-	-	-	-	6	-	-	22
Texas.....	-	45	464	609	-	-	-	-	44	7	11	419
MOUNTAIN.....	1	50	731	582	-	-	1	3	32	-	-	22
Montana.....	-	3	28	5	-	-	-	-	10	-	-	-
Idaho.....	-	3	64	37	-	-	-	-	-	-	-	-
Wyoming.....	-	5	5	1	-	-	-	-	3	-	-	-
Colorado.....	-	8	290	195	-	-	-	-	3	-	-	1
New Mexico.....	-	4	174	139	-	-	-	2	11	-	-	11
Arizona.....	-	13	118	114	-	-	-	1	5	-	-	10
Utah.....	-	8	52	88	-	-	1	-	-	-	-	-
Nevada.....	1	6	-	3	-	-	-	-	-	-	-	-
PACIFIC.....	4	264	382	247	-	-	2	-	31	2	3	202
Washington.....	-	19	30	37	-	-	-	-	1	-	-	-
Oregon.....	-	15	7	9	-	-	1	-	-	-	-	11
California.....	3	219	306	154	-	-	1	-	30	2	3	191
Alaska.....	1	7	26	47	-	-	-	-	-	-	-	-
Hawaii.....	-	4	13	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	8	-	2	2	-	-	-	5	-	-	13

Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.°

Area	For weeks ending				Area	For weeks ending			
	8/11	8/18	8/25	9/1		8/11	8/18	8/25	9/1
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	11	14	12	11	Atlanta, Ga.....	6	8	8	9
Bridgeport, Conn.....	5	1	0	2*	Baltimore, Md.....	26	17	19	26
Cambridge, Mass.....	1	0	1	1*	Charlotte, N.C.....	5	0	2	4
Fall River, Mass.....	1	0	0	0	Jacksonville, Fla.....	4	6	9	4
Hartford, Conn.....	6	7	7	4	Miami, Fla.....	4	6	9	2
Lowell, Mass.....	1	3	2	1	Norfolk, Va.....	4	7	3	7
Lynn, Mass.....	1	1	2	1	Richmond, Va.....	14	5	12	5
New Bedford, Mass.....	0	1	0	2	Savannah, Ga.....	2	1	1	1
New Haven, Conn.....	1	1	2	2	St. Petersburg, Fla.....	2	1	1	2
Providence, R.I.....	2	7	8	6	Tampa, Fla.....	3	3	7	9
Somerville, Mass.....	1	0	0	0	Washington, D.C.....	20	23	9	30
Springfield, Mass.....	1	1	2	1	Wilmington, Del.....	0	0	2	0
Waterbury, Conn.....	5	1	1	2					
Worcester, Mass.....	0	1	5	3	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.....	5	5	10	2
Albany, N.Y.....	4	4	5	6	Chattanooga, Tenn.....	1	2	3	6
Allentown, Pa.....	1	2	1	1	Knoxville, Tenn.....	0	3	3	2
Buffalo, N.Y.....	9	4	4	5	Louisville, Ky.....	13	7	7	4
Camden, N.J.....	5	2	2	2	Memphis, Tenn.....	15	8	30	8
Elizabeth, N.J.....	3	2	2	1	Mobile, Ala.....	5	4	6	3
Erie, Pa.....	6	0	5	1	Montgomery, Ala.....	1	2	1	3
Jersey City, N.J.....	5	6	1	8	Nashville, Tenn.....	4	11	3	3
Newark, N.J.....	6	17	17	3	WEST SOUTH CENTRAL:				
New York City, N.Y.....	93	87	85	81	Austin, Tex.....	2	5	5	2
Paterson, N.J.....	3	1	0	1	Baton Rouge, La.....	5	2	1	3
Philadelphia, Pa.....	25	28	41	24	Corpus Christi, Tex.....	3	3	4	1
Pittsburgh, Pa.....	9	7	13	14	Dallas, Tex.....	12	14	11	12
Reading, Pa.....	2	0	0	1	El Paso, Tex.....	10	6	5	3
Rochester, N.Y.....	3	11	6	4	Fort Worth, Tex.....	4	3	3	7
Schenectady, N.Y.....	3	0	2	0	Houston, Tex.....	15	15	23	20
Scranton, Pa.....	0	1	2	1	Little Rock, Ark.....	3	3	1	17
Syracuse, N.Y.....	2	5	5	5	New Orleans, La.....	24	10	14	14
Trenton, N.J.....	2	3	0	4	Oklahoma City, Okla.....	8	8	12	5
Utica, N.Y.....	1	1	3	2	San Antonio, Tex.....	15	7	19	8
Yonkers, N.Y.....	0	2	0	3	Shreveport, La.....	4	11	6	4
EAST NORTH CENTRAL:					Tulsa, Okla.....	4	1	6	5
Akron, Ohio.....	5	5	7	7	MOUNTAIN:				
Canton, Ohio.....	2	1	2	3	Albuquerque, N. Mex.....	3	4	4	6
Chicago, Ill.....	40	39	54	35	Colorado Springs, Colo...	1	2	1	1
Cincinnati, Ohio.....	16	4	11	3	Denver, Colo.....	6	15	6	16
Cleveland, Ohio.....	10	6	13	15	Ogden, Utah.....	2	2	0	2
Columbus, Ohio.....	11	17	27	1	Phoenix, Ariz.....	9	4	6	8
Dayton, Ohio.....	5	4	5	8	Pueblo, Colo.....	1	2	3	3
Detroit, Mich.....	27	24	24	23	Salt Lake City, Utah.....	5	1	5	2
Evansville, Ind.....	2	1	2	0	Tucson, Ariz.....	2	3	4	4
Flint, Mich.....	6	5	7	6	PACIFIC:				
Fort Wayne, Ind.....	3	0	7	1	Berkeley, Calif.....	2	0	0	2
Gary, Ind.....	3	0	4	3	Fresno, Calif.....	2	2	4	4
Grand Rapids, Mich.....	1	4	2	1	Glendale, Calif.....	2	3	0	2
Indianapolis, Ind.....	12	10	14	7	Honolulu, Hawaii.....	4	5	4	4
Madison, Wis.....	4	3	1	3	Long Beach, Calif.....	3	2	2	5
Milwaukee, Wis.....	5	22	5	10	Los Angeles, Calif.....	31	25	32	28
Peoria, Ill.....	1	4	0	3	Oakland, Calif.....	7	20	4	5
Rockford, Ill.....	3	1	3	1	Pasadena, Calif.....	0	2	0	4
South Bend, Ind.....	1	1	3	4	Portland, Ore.....	3	5	6	5
Toledo, Ohio.....	5	5	4	6	Sacramento, Calif.....	4	5	6	3
Youngstown, Ohio.....	2	5	0	0	San Diego, Calif.....	8	14	10	7
WEST NORTH CENTRAL:					San Francisco, Calif.....	7	4	8	7
Des Moines, Iowa.....	7	2	3	5	San Jose, Calif.....	5	5	1	6
Duluth, Minn.....	0	2	0	3	Seattle, Wash.....	2	7	6	4
Kansas City, Kans.....	5	1	5	9	Spokane, Wash.....	1	3	3	2
Kansas City, Mo.....	9	8	8	5	Tacoma, Wash.....	2	1	2	2
Lincoln, Nebr.....	3	2	4	3					
Minneapolis, Minn.....	9	10	7	10	San Juan, P.R.....	2	9	1	5
Omaha, Nebr.....	7	3	3	5					
St. Louis, Mo.....	16	12	16	11					
St. Paul, Minn.....	3	6	5	6					
Wichita, Kans.....	5	7	1	4					

° Current Week Mortality for 108 Selected Cities

- 4(A) Total Mortality, all ages..... 10,605
- 4(B) Pneumonia-Influenza Deaths, all ages..... 315
- 4(C) Total Deaths under 1 Year of Age..... 731
- 4(D) Total Deaths, Persons 65 years and over..... 5,743

*Estimate - based on average percent of divisional total Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

AGE SPECIFIC ATTACK RATES, PRESUMPTIVE ARTHROPOD-BORNE ENCEPHALITIS CASES - PINELLAS COUNTY

Age Group	Population*	No. Cases	Attack Rate/100,000
0 - 9	54,554	7	12.8
10 - 19	43,929	12	27.3
20 - 29	29,256	9	30.8
30 - 39	39,442	16	40.6
40 - 49	41,249	14	33.9
50 - 59	44,326	25	56.4
60 - 69	65,375	24	36.7
70 - 79	45,588	36	79.0
80 +	10,964	13	118.6
Total	374,863	156	41.6

* Population figures from final census report of 1960.

highest for those above 70 years of age. All but 8 of the cases occurred in the white population.

Intensive control measures have been instituted, including ground fogging for killing the adult mosquito populations and clean-up of mosquito breeding areas about domiciles and other areas. Although the adult mosquito densities were found to be at a relatively low level, mosquito breeding sites were found to be widespread. Mosquito collections consisted primarily of *Aedes aegypti* and *Culex nigripalpus*. The latter is considered the most likely vector for transmission of the virus in this outbreak although no virus isolations have yet been made. Birds are particularly prevalent in the area and include predominantly ducks, pigeons, blackbirds, blue jays, and turtle doves. Serologic studies on blood samples from over 400 birds of the various species are being carried out.

(Reported by Dr. Obenschain, Director of Communicable Disease Control, Pinellas County Health Department, Florida; Division of Epidemiology and Bureau of Laboratories, Florida State Board of Health; and, a team from the Communicable Disease Center).

INTERNATIONAL NOTES - QUARANTINE MEASURES

Japan - Measures to Prevent Introduction of Cholera

Japan is imposing strict quarantine restrictions on all traffic arriving from Taiwan, where cholera is epidemic. All ships from this island must stop in designated quarantine areas for 72 hours (or until three stool examinations have been conducted on each person aboard). El Tor type of cholera has been reported in the Taiwan epidemic, which is still occurring.

Smallpox - Europe

England - Two additional imported cases of smallpox have been reported. The two individuals were aboard the SS. Oronsay, which arrived in England on August 15. London remains a non-infected local area.

Immunization Information for International Travel

Travelers visiting the Philippines, Taiwan, and Hong Kong are reminded to be vaccinated against cholera. The certificate is valid for a period of 6 months, beginning 6 days after the first injection of the vaccine or in the event of a revaccination within such period of 6 months, on the date of that revaccination. Vaccination against this disease is required by most countries including the United States when persons arrive from infected areas within 5 days.

In addition to the foregoing countries, cholera is also present in Indonesia, India, and East Pakistan.

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